



BASF CORPORATION
McINTOSH, ALABAMA

Figure 1
July 2011
Potentiometric Surface
Map (ALLUVIAL AQUIFER)

● Monitoring Well
- - - Groundwater Elevation
Contour (1' Interval)
[Yellow Box] Questionable Data
0 1,000 Feet

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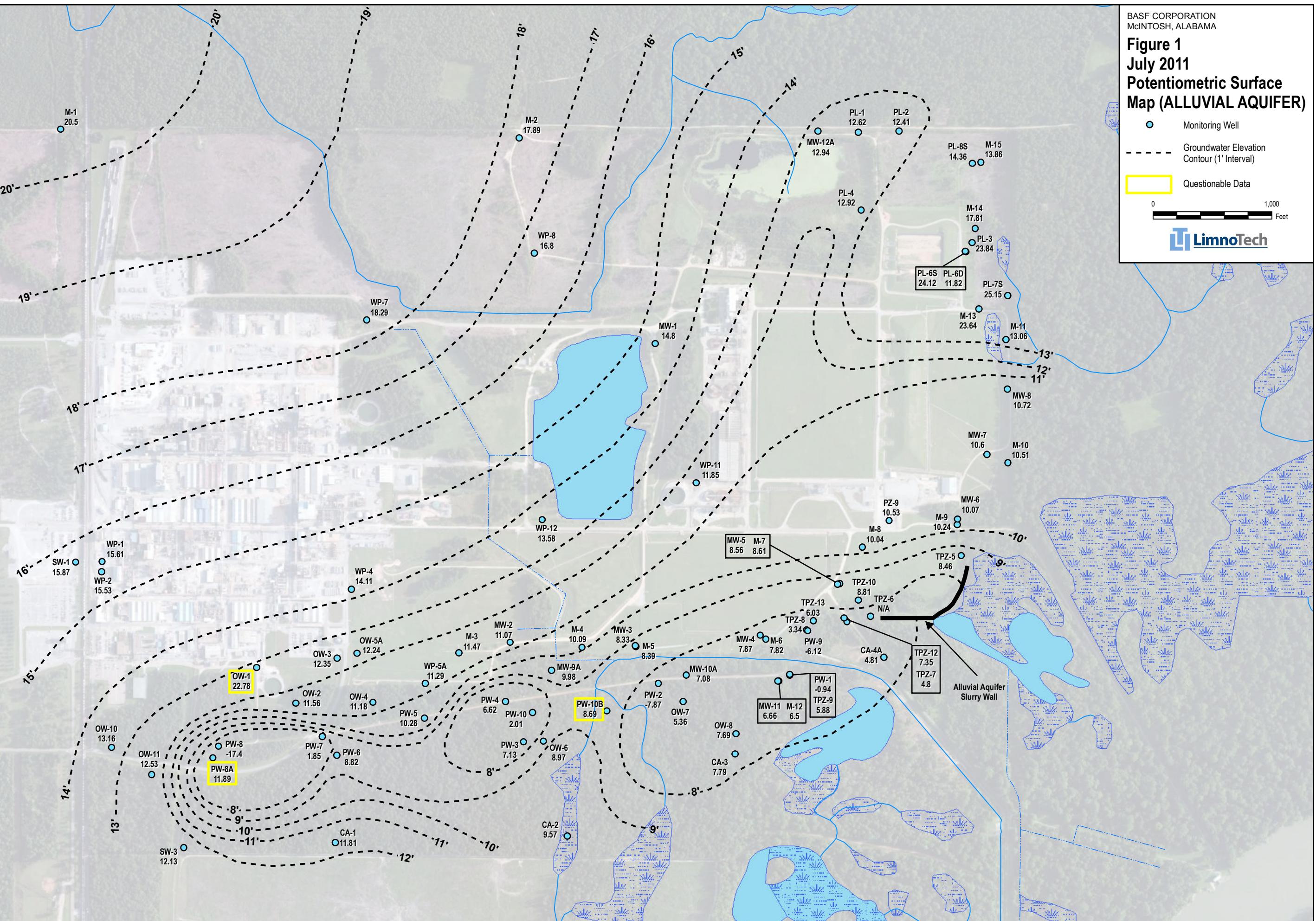


Figure 2
July 2011
Potentiometric Surface Map
(UPPER MIocene AQUIFER)

● Monitoring Well

● Abandoned Monitoring Well

- - - Groundwater Elevation
Contour (5' Interval)

Note: Offsite depth to groundwater data
provided by Olin (March 21, 2011).

0 1,000 2,000
Feet

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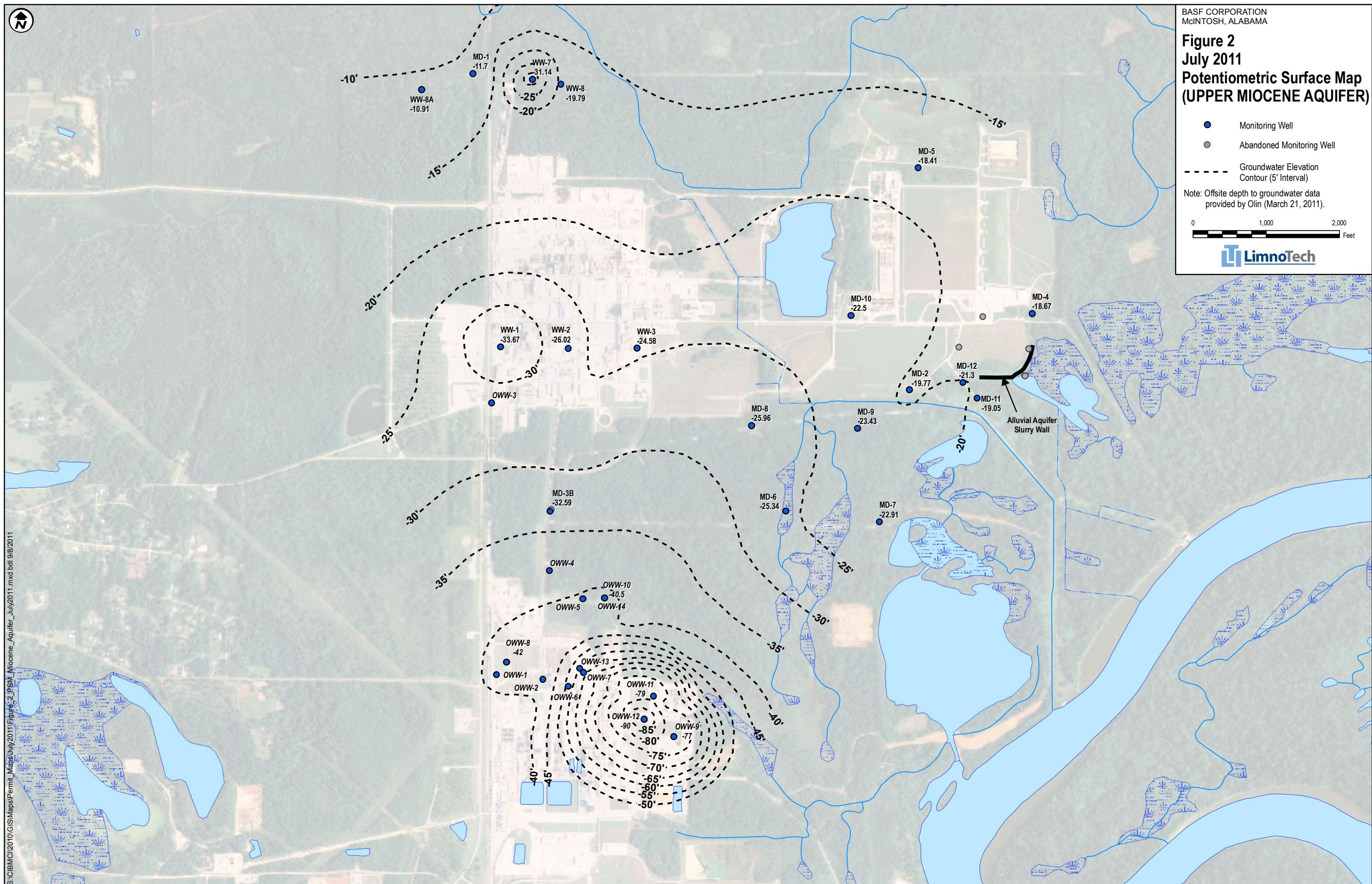
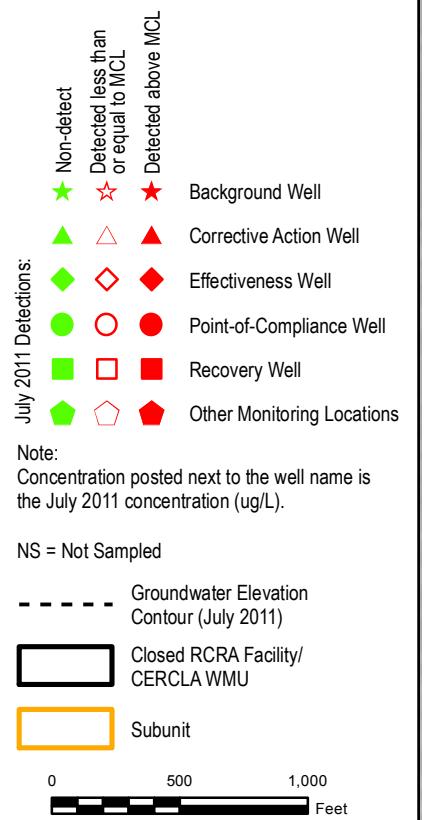


Figure 3a
Arsenic Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

Arsenic MCL = 50 ug/L



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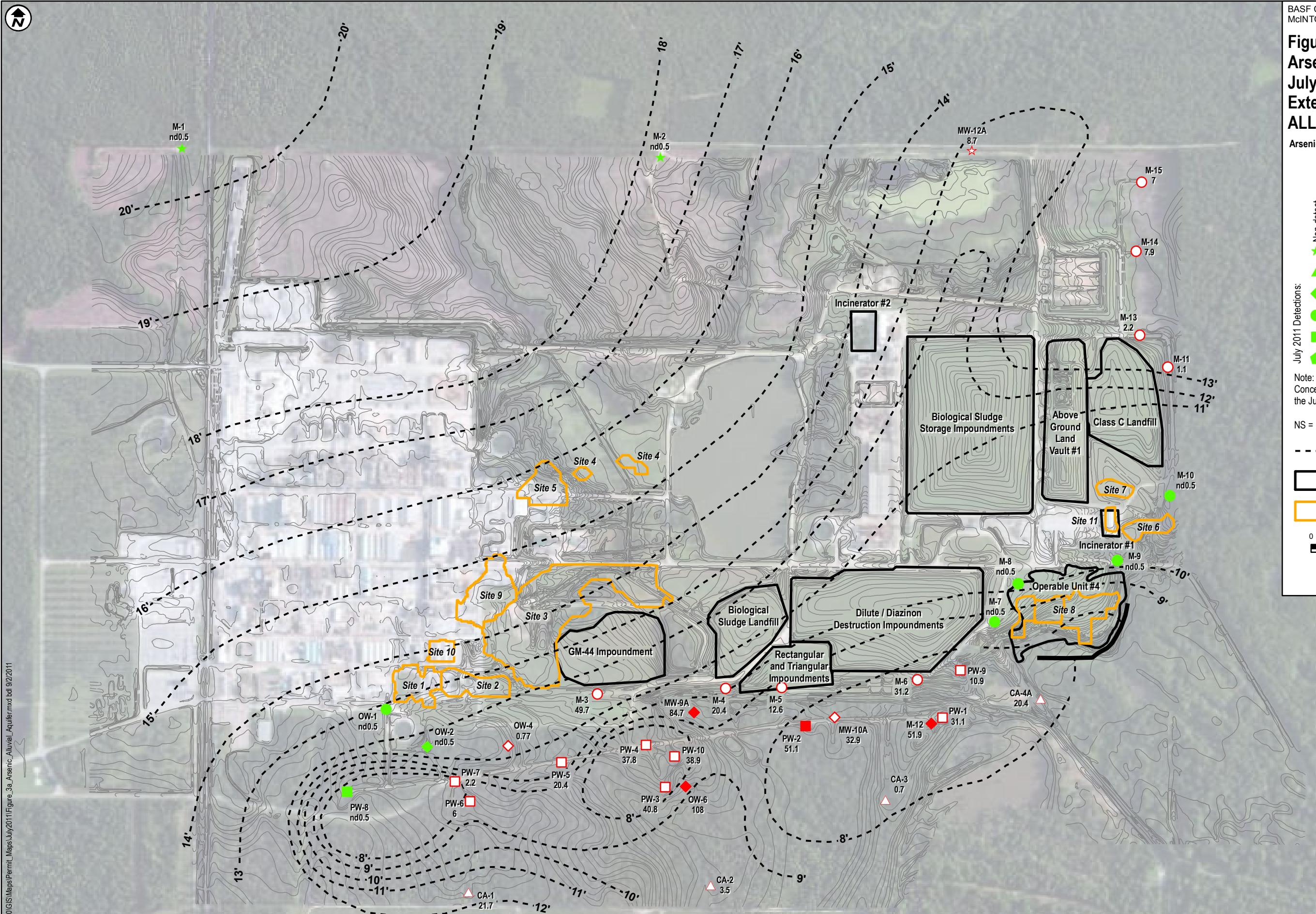
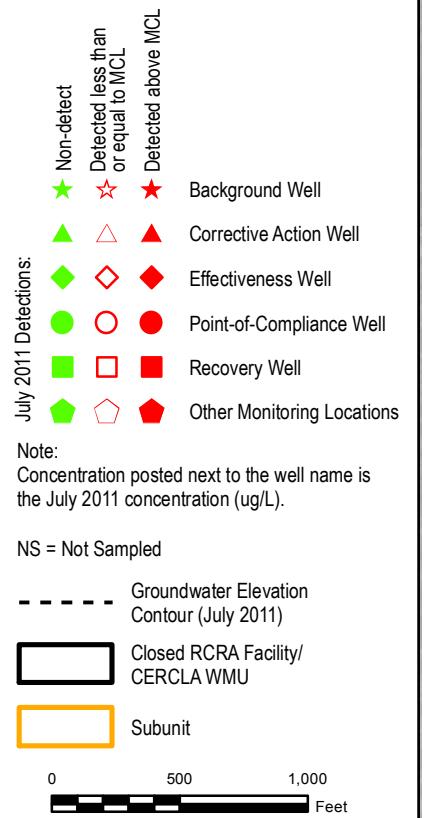


Figure 3b
Barium Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

Barium MCL = 200 ug/L



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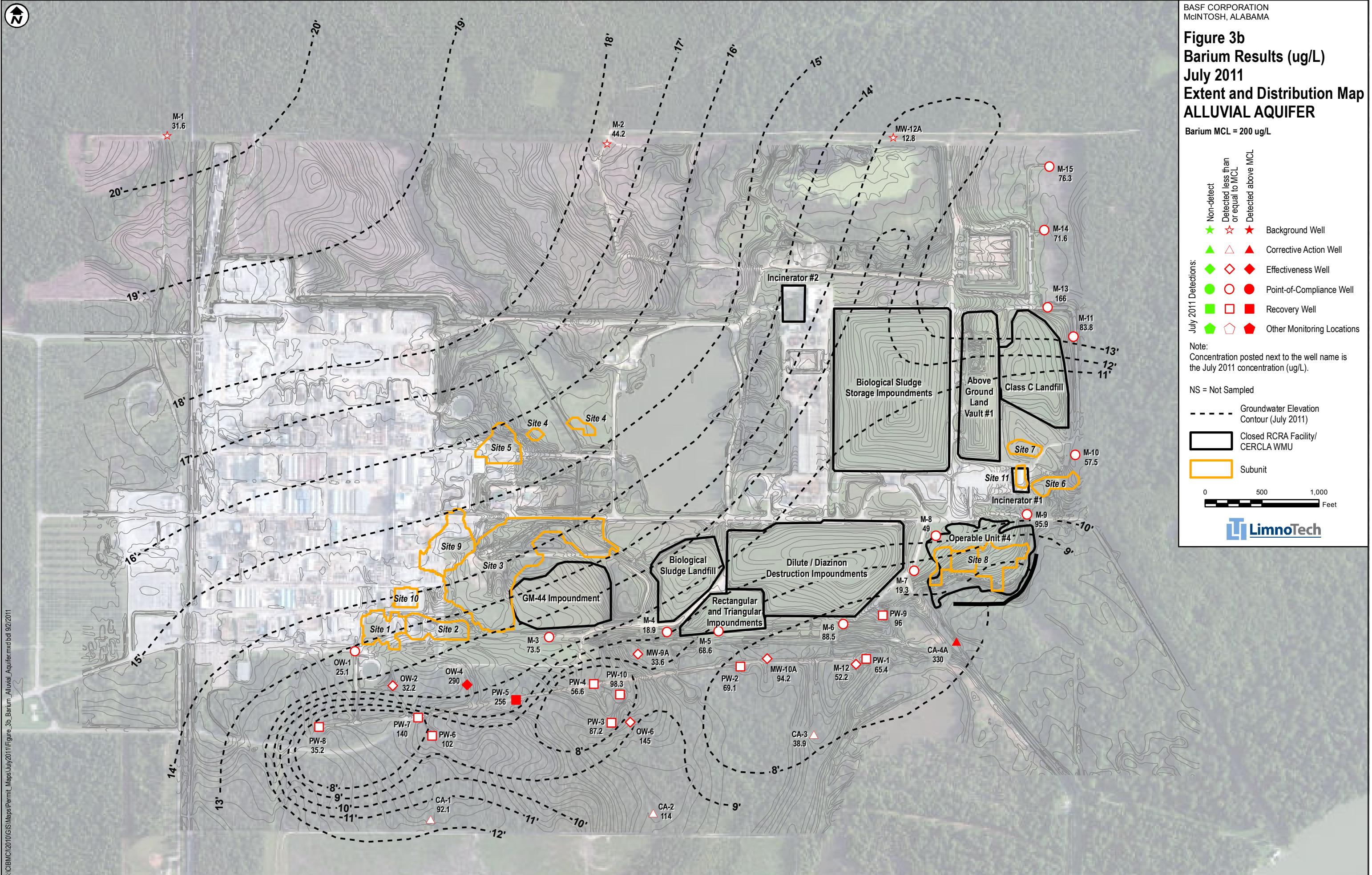
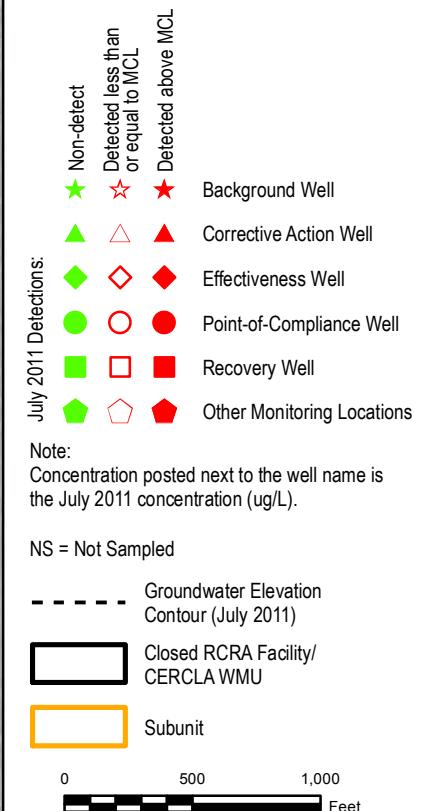


Figure 3c
Chlorobenzen Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

Chlorobenzene MCL = 100 ug/L



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MCINTOSH, ALABAMA

Figure 3d
Carbon Tetrachloride
Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

Carbon Tetrachloride MCL = 5 ug/L

- July 2011 Detections:
- ★ Non-detect
 - Detected less than or equal to MCL
 - ◆ Detected above MCL
 - ★ Background Well
 - ▲ Corrective Action Well
 - ◆ Effectiveness Well
 - Point-of-Compliance Well
 - Recovery Well
 - Other Monitoring Locations

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

- - - Groundwater Elevation Contour (July 2011)

■ Closed RCRA Facility/ CERCLA WMU

□ Subunit

0 500 1,000
Feet

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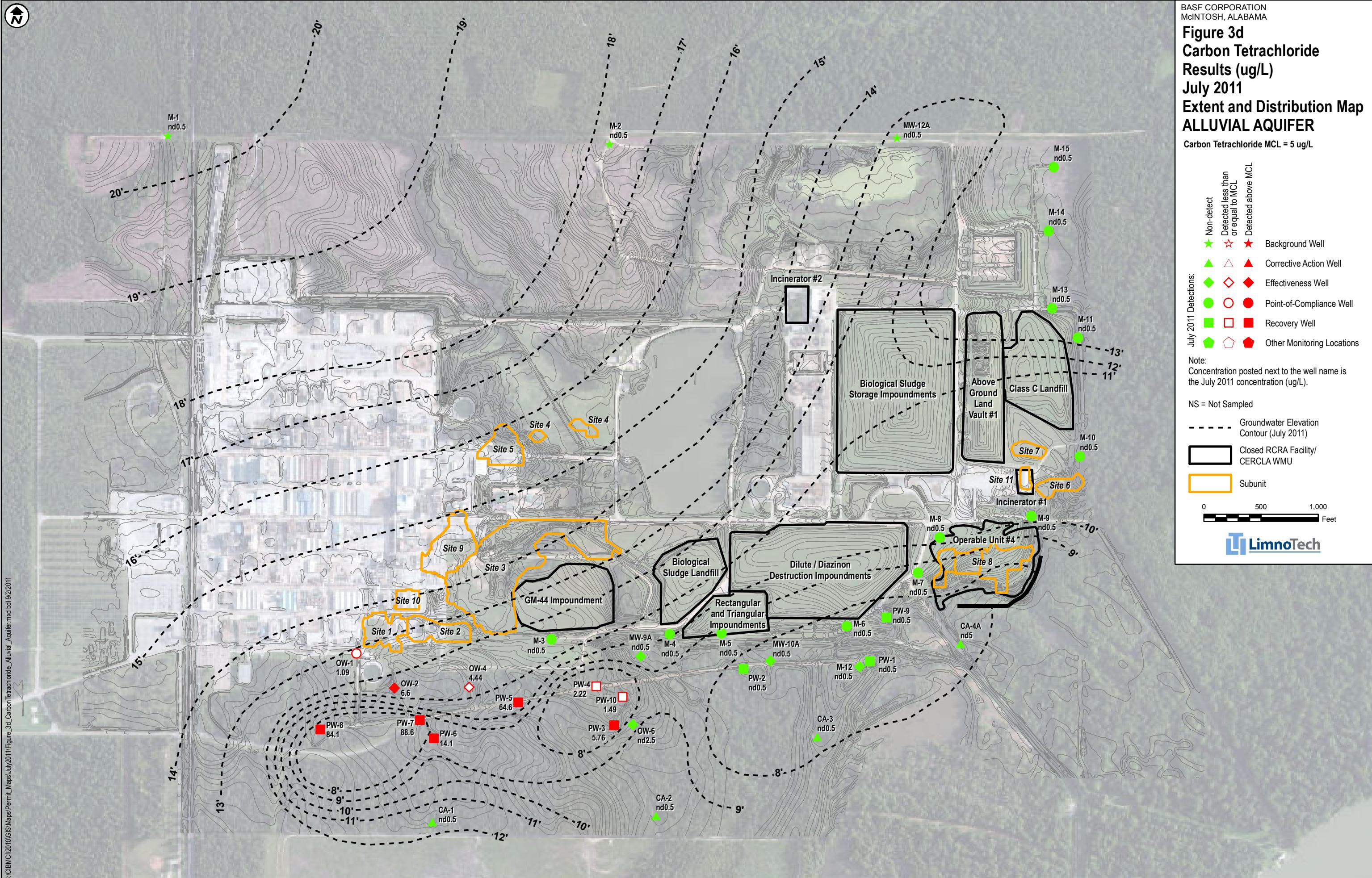


Figure 3e
Benzene Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

Benzene MCL = 5 ug/L

- Non-detect
- Detected less than or equal to MCL
- Detected above MCL
- Background Well
- Corrective Action Well
- Effectiveness Well
- Point-of-Compliance Well
- Recovery Well
- Other Monitoring Locations

July 2011 Detections:

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

Groundwater Elevation Contour (July 2011)

Closed RCRA Facility/ CERCLA WMU

Subunit

0 500 1,000
Feet

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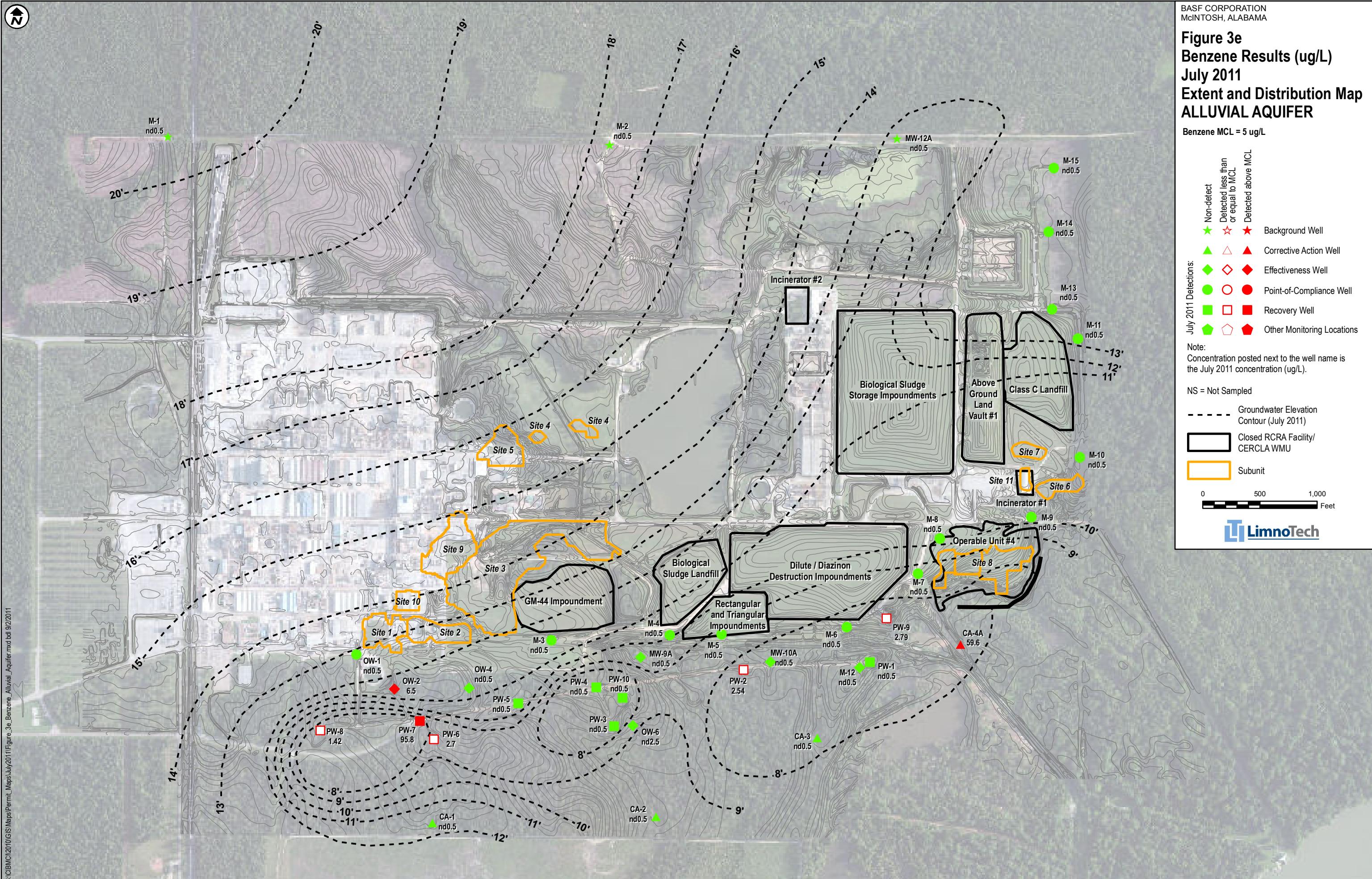


Figure 3f
A-BHC Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

A-BHC MCL = 0.11 ug/L

- Non-detect
 - Detected less than or equal to MCL
 - Detected above MCL
 - Background Well
 - Corrective Action Well
 - Effectiveness Well
 - Point-of-Compliance Well
 - Recovery Well
 - Other Monitoring Locations
- July 2011 Detections:

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

Groundwater Elevation Contour (July 2011)
Closed RCRA Facility/CERCLA WMU

Subunit

0 500 1,000
Feet

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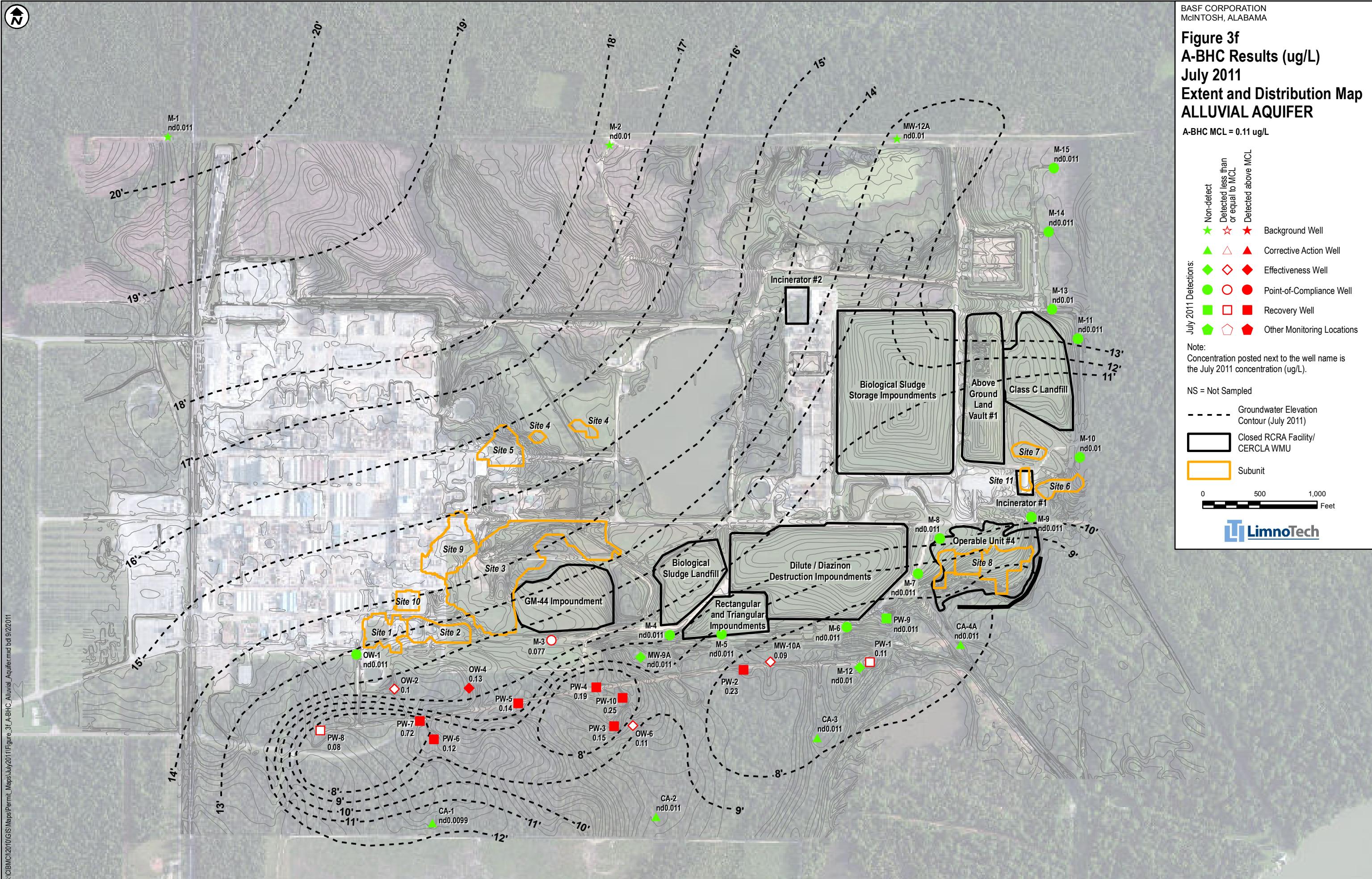


Figure 3g
B-BHC Results (ug/L)
July 2011
Extent and Distribution Map
ALLUVIAL AQUIFER

B-BHC MCL = 0.037 ug/L

- Non-detect
- Detected less than or equal to MCL
- Detected above MCL
- Background Well
- Corrective Action Well
- Effectiveness Well
- Point-of-Compliance Well
- Recovery Well
- Other Monitoring Locations

July 2011 Detections:

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

Groundwater Elevation Contour (July 2011)

Closed RCRA Facility/ CERCLA WMU

Subunit

0 500 1,000
Feet

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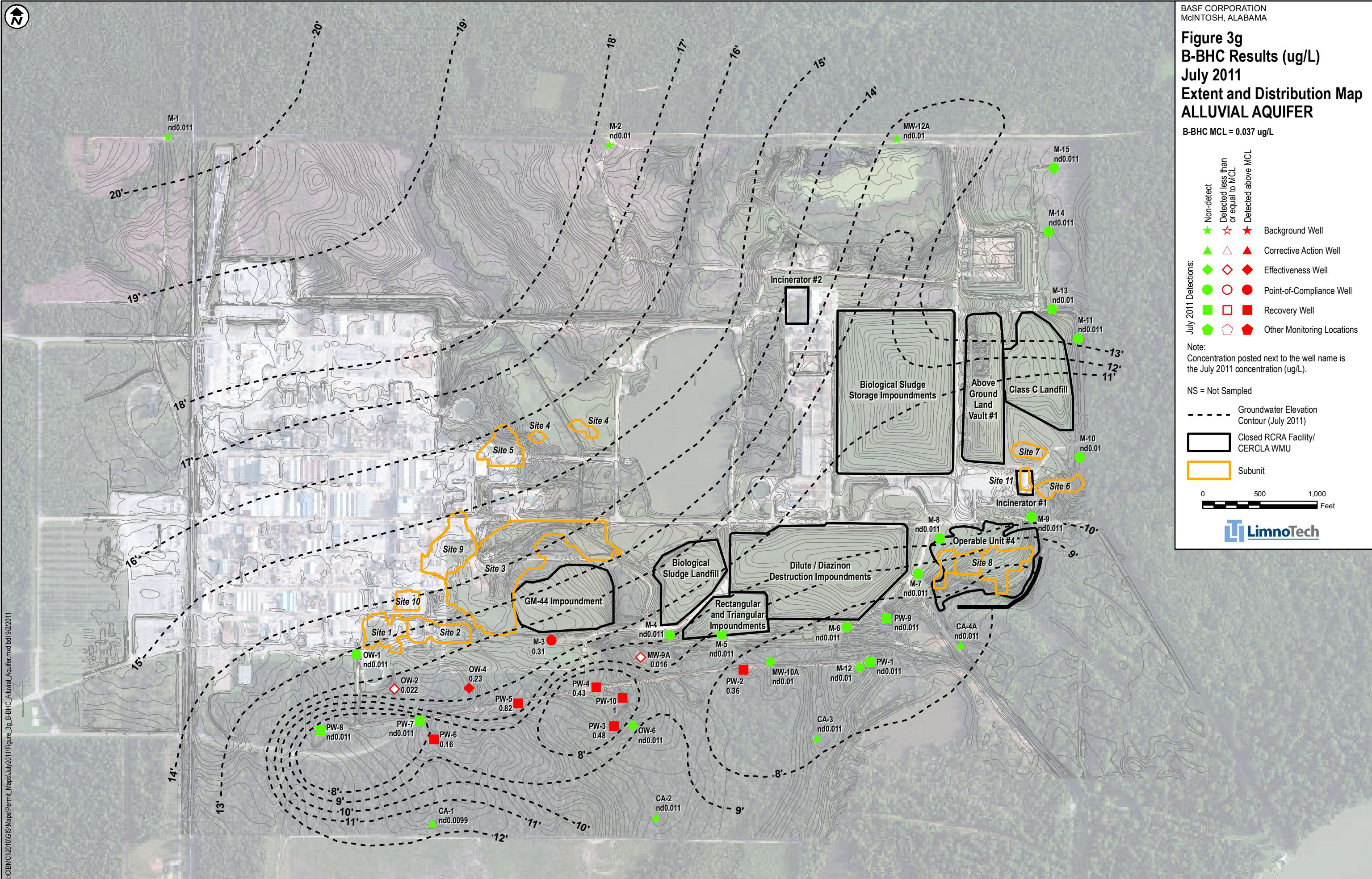


Figure 4-a. Alluvial Aquifer Chlorobenzene Time-Series Graph
Wells CA1 through CA4A
BASF Corporation - McIntosh, Alabama

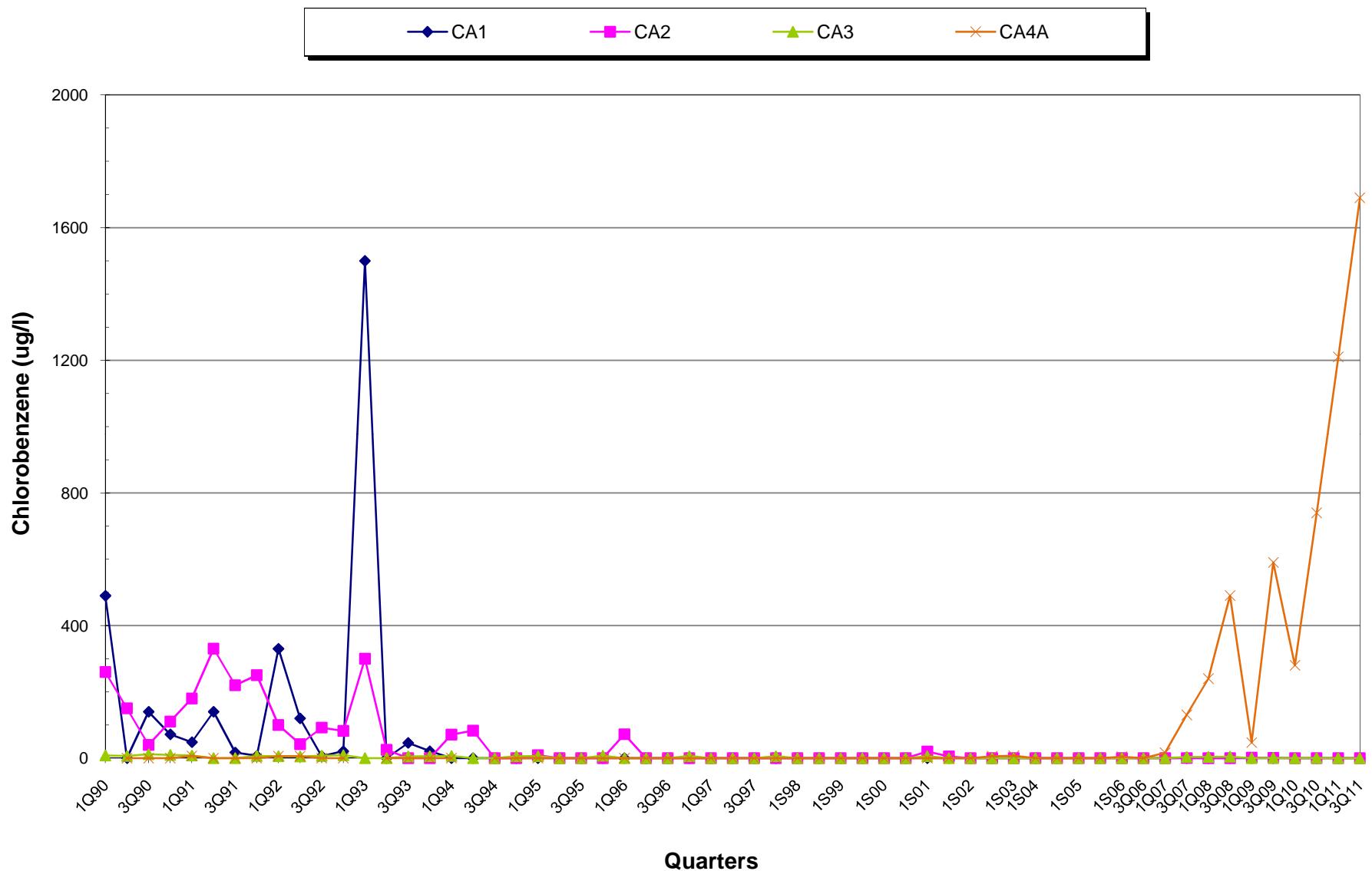


Figure 4-b. Alluvial Aquifer Chlorobenzene Time-Series Graph
Wells PW-1 and PW-9
BASF Corporation - McIntosh, Alabama

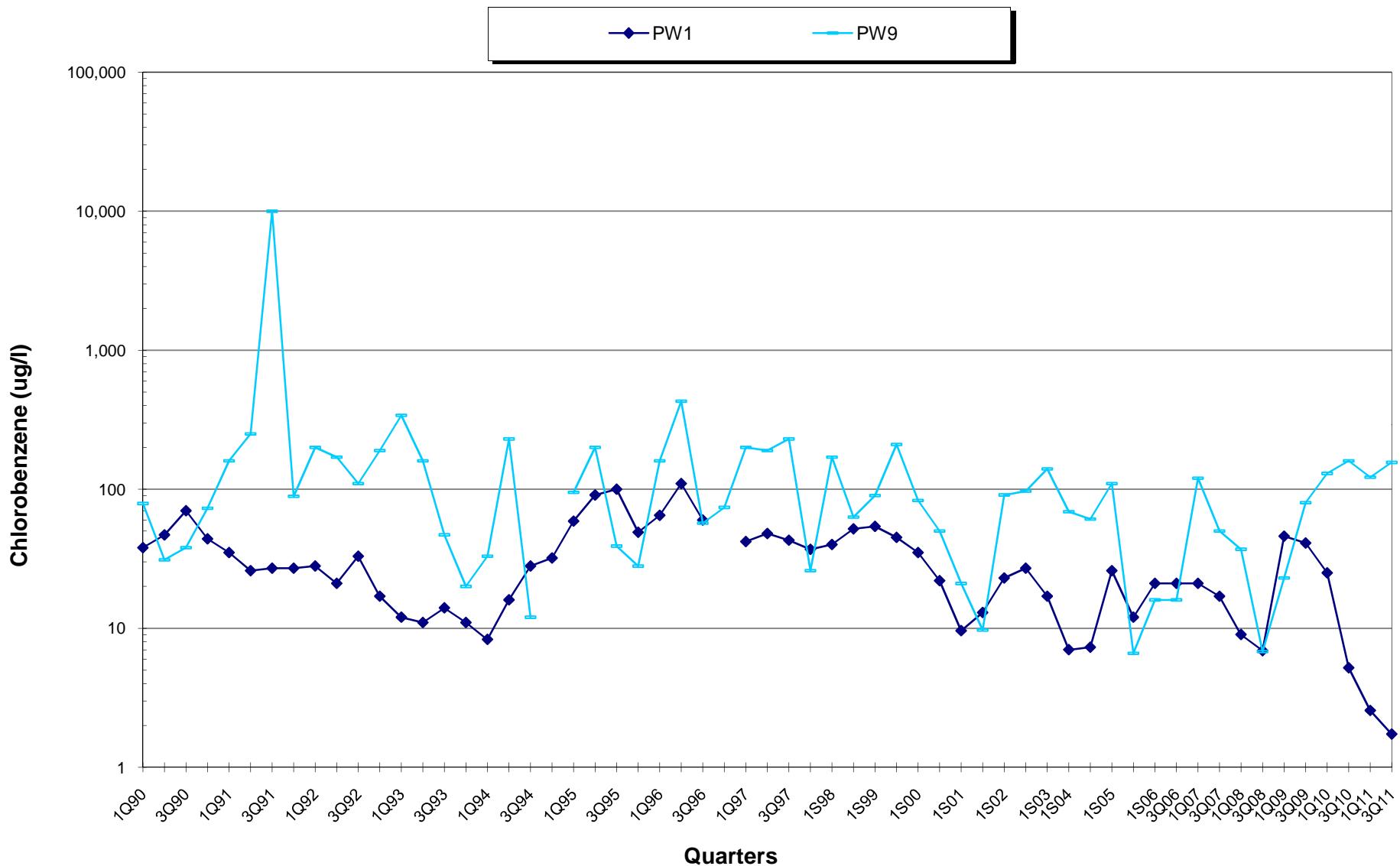


Figure 4-c. Alluvial Aquifer Chlorobenzene Time-Series Graph
Wells PW-2, PW-3 and PW-4
BASF Corporation - McIntosh, Alabama

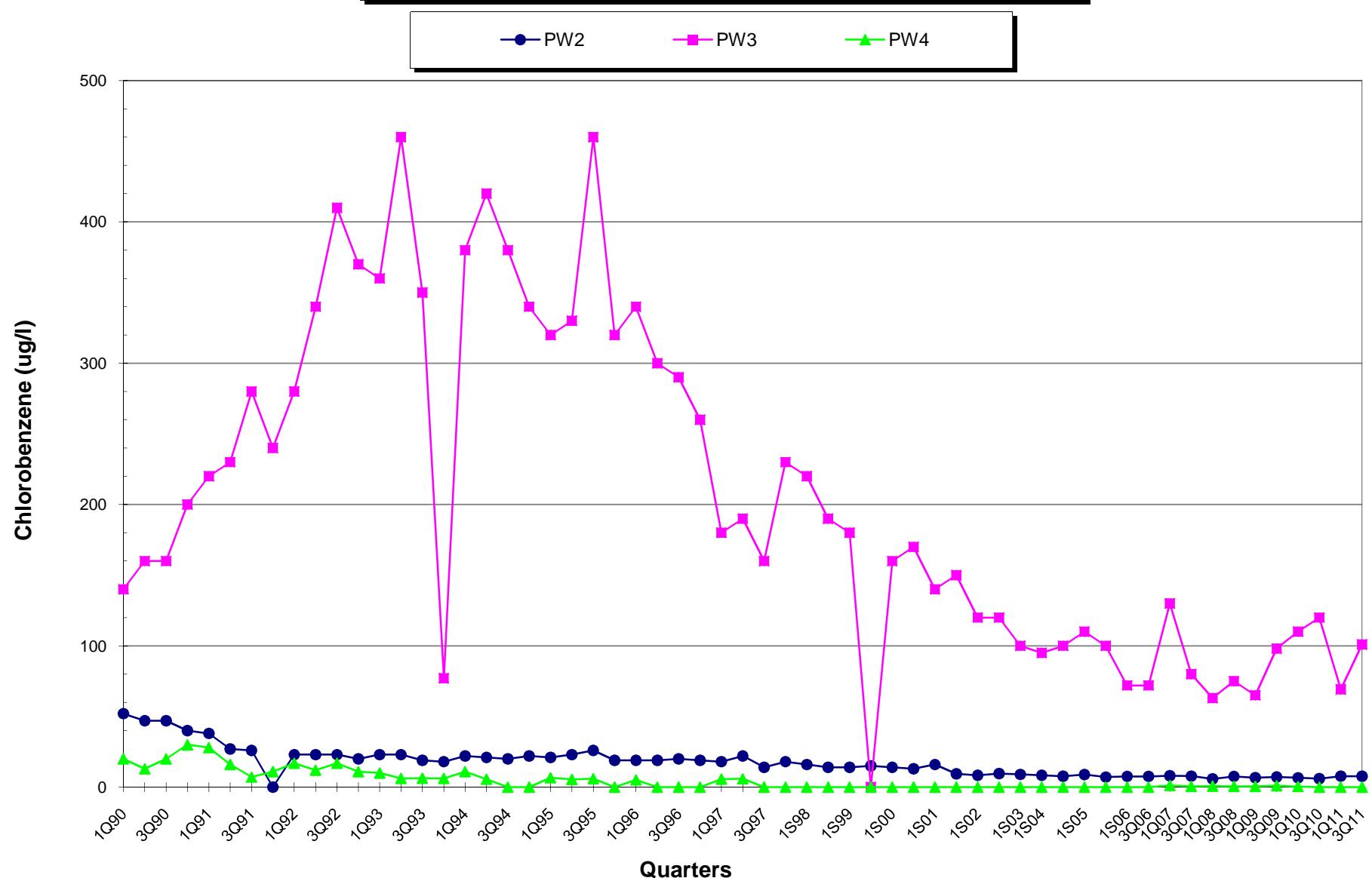


Figure 4-d. Alluvial Aquifer Chlorobenzene Time-Series Graph
Wells PW-5 and PW-8
BASF Corporation - McIntosh, Alabama

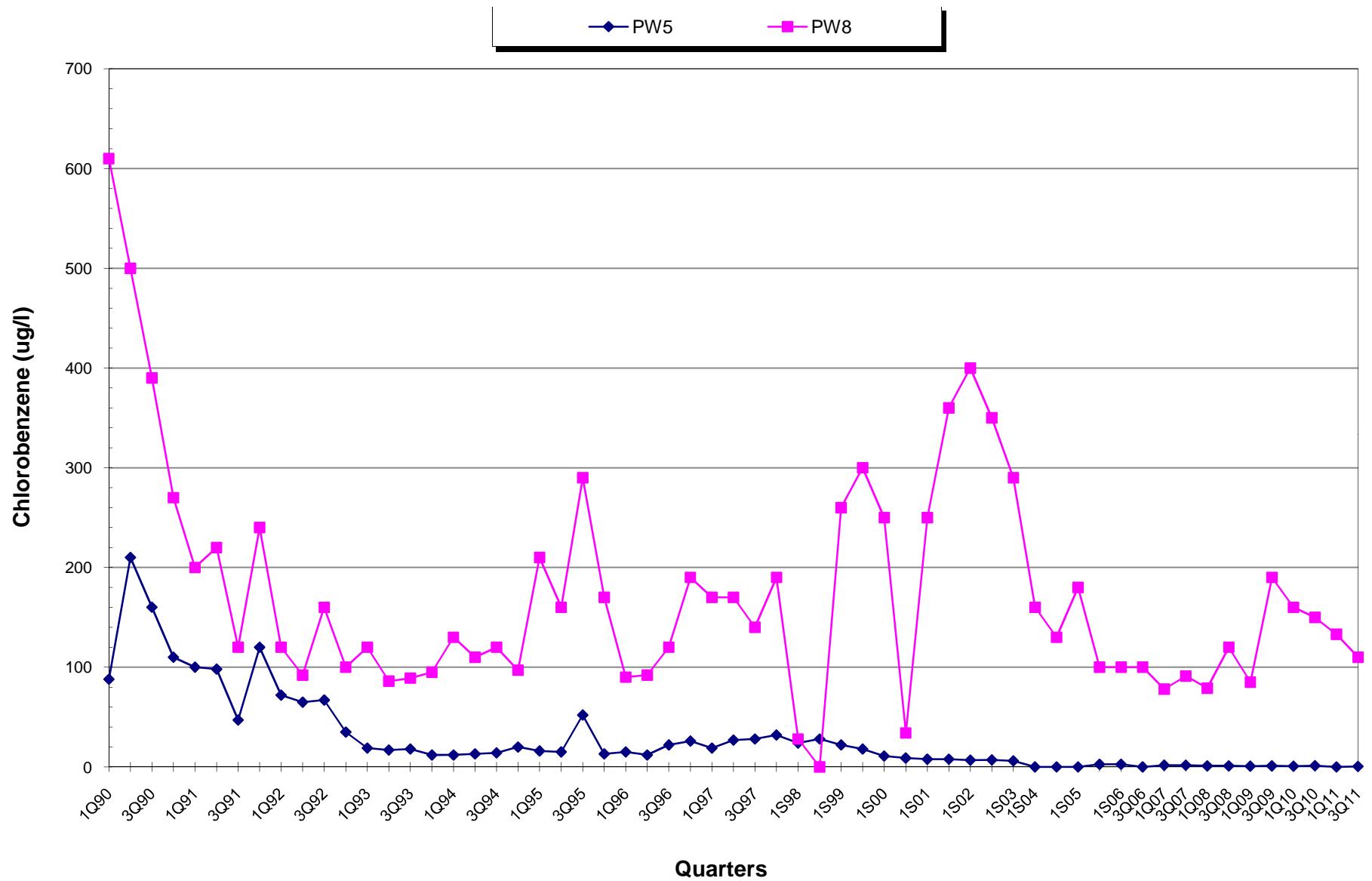


Figure 4-e. Alluvial Aquifer Chlorobenzene Time-Series Graph
Wells PW-6, PW-7 and PW-10B
BASF Corporation - McIntosh, Alabama

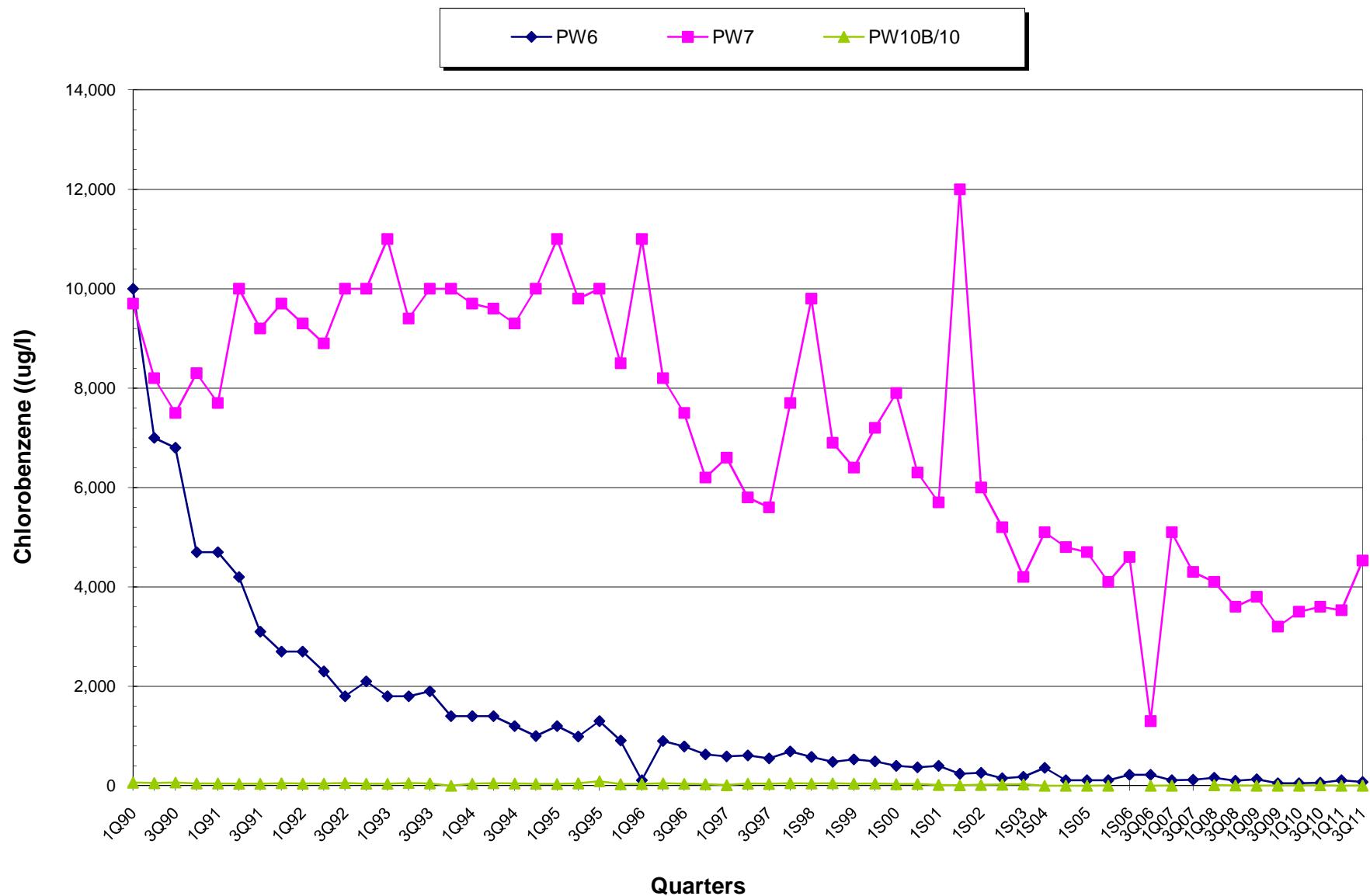
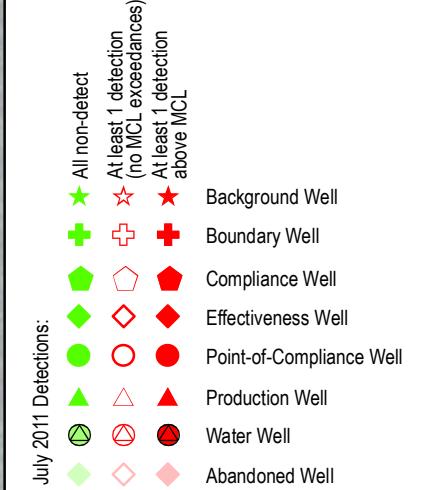


Figure 5a
Arsenic Results (ug/L)
July 2011
Extent and Distribution Map
MIOCENE AQUIFER

Arsenic MCL = 50 ug/L



Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

The following wells were abandoned in Nov. 2008:
CA-3B, PZD-7, PZD-8, PZD-9, PZMC-1 and B-10B

Groundwater Elevation Contour (July 2011)

Closed RCRA Facility/CERCLA WMU

Subunit

0 500 1,000 Feet

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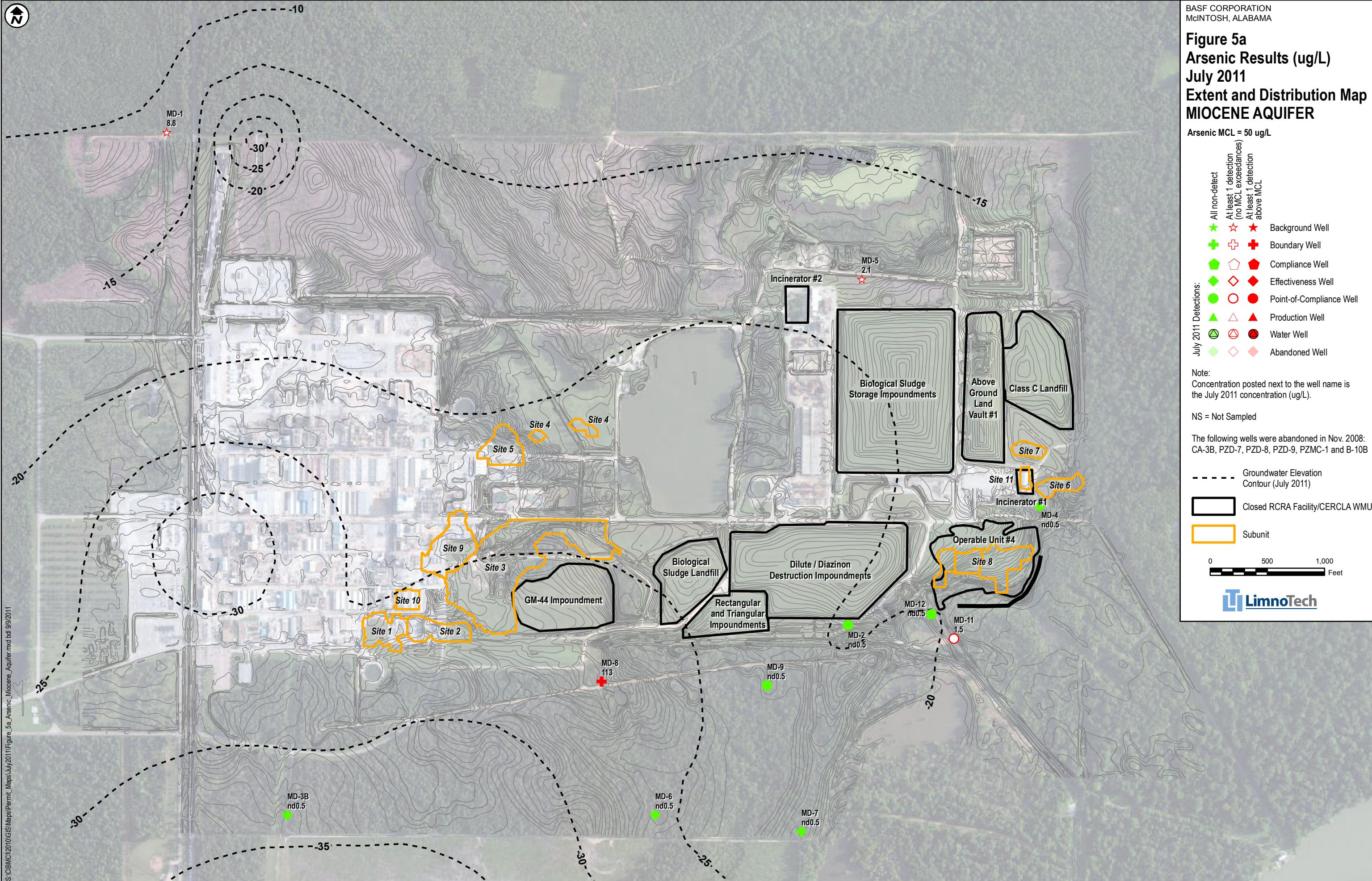
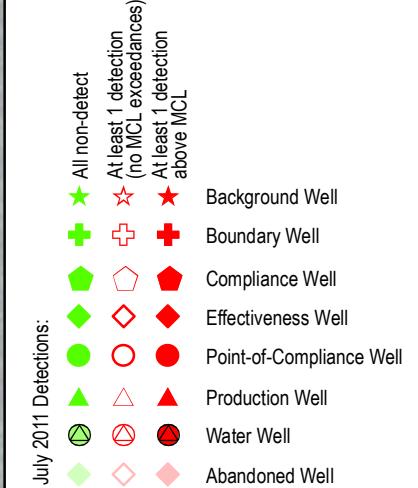


Figure 5b
Barium Results (ug/L)
July 2011
Extent and Distribution Map
MIocene Aquifer

Barium MCL = 200 ug/L



Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

The following wells were abandoned in Nov. 2008:
CA-3B, PZD-7, PZD-8, PZD-9, PZMC-1 and B-10B

Groundwater Elevation Contour (July 2011)

Closed RCRA Facility/CERCLA WMU

Subunit

0 500 1,000 Feet

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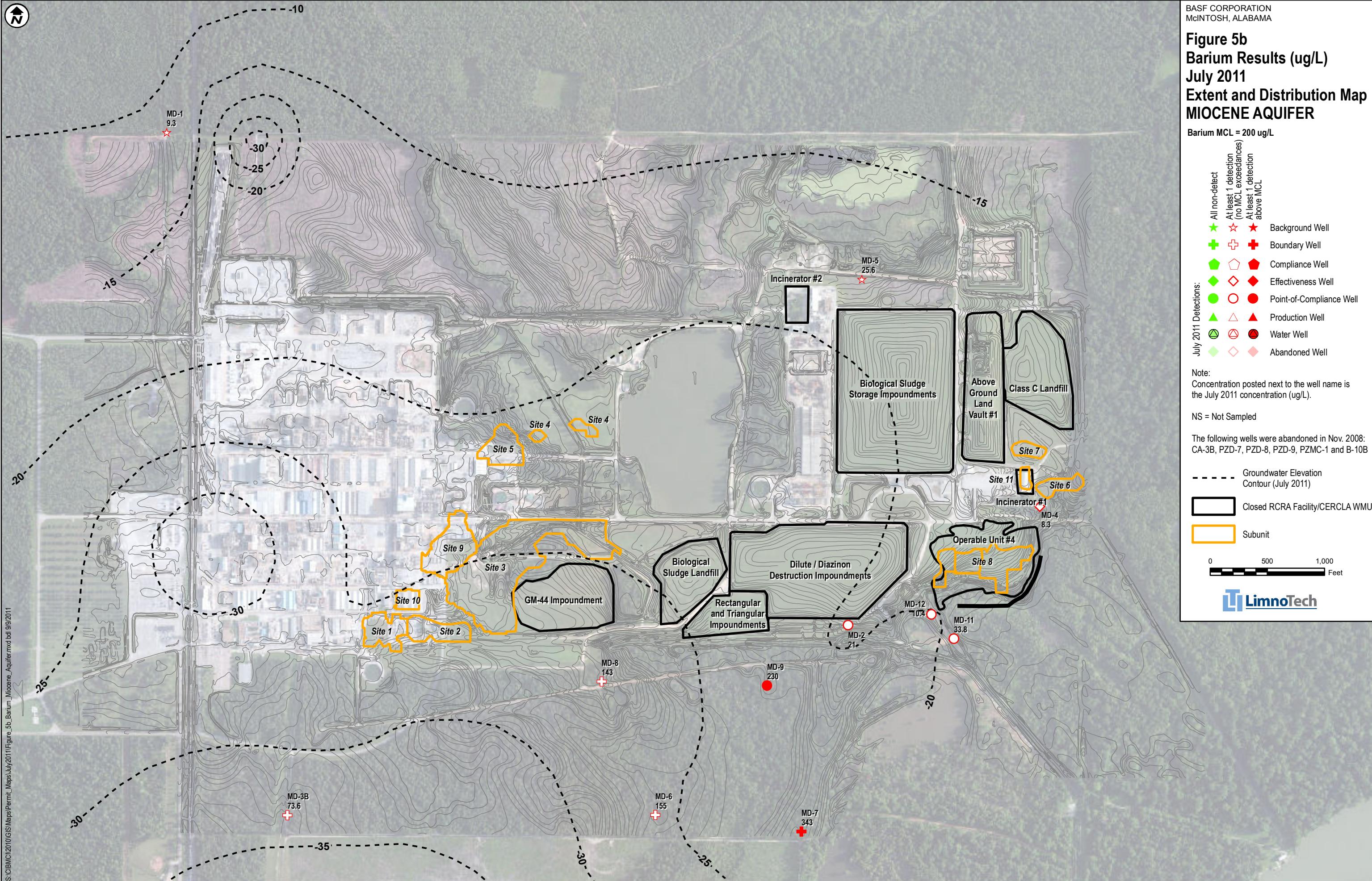


Figure 5c
Chlorobenzene Results (ug/L)
July 2011
Extent and Distribution Map
MIOCENE AQUIFER

Chlorobenzene MCL = 100 ug/L

- All non-detect
 - At least 1 detection (no MCL exceedances)
 - At least 1 detection above MCL
 - Background Well
 - Boundary Well
 - Compliance Well
 - Effectiveness Well
 - Point-of-Compliance Well
 - Production Well
 - Water Well
 - Abandoned Well
- July 2011 Detections:

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

The following wells were abandoned in Nov. 2008:
CA-3B, PZD-7, PZD-8, PZD-9, PZMC-1 and B-10B

- Groundwater Elevation Contour (July 2011)
 - Closed RCRA Facility/CERCLA WMU
 - Subunit
- 0 500 1,000 Feet

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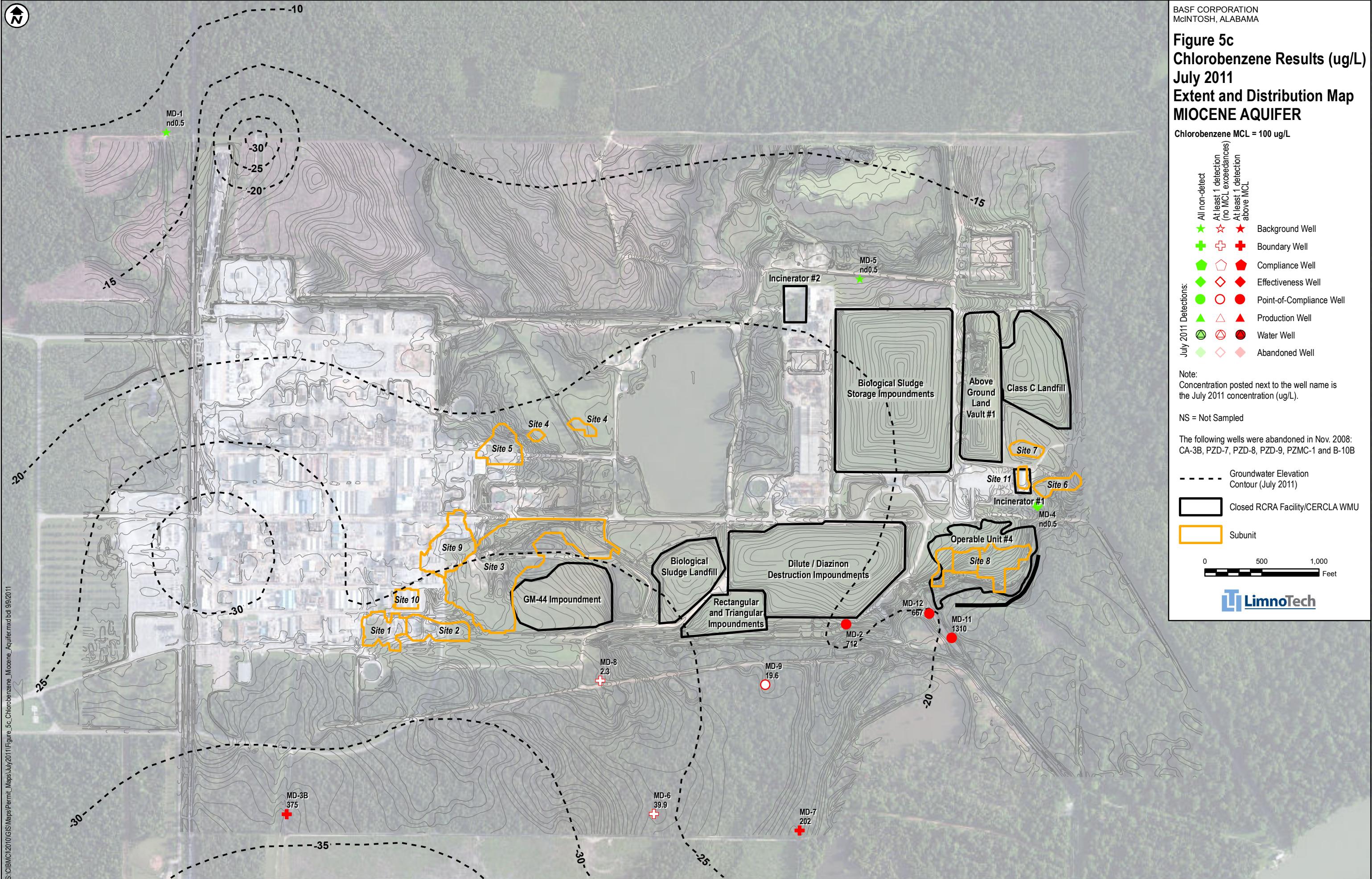


Figure 5d
Benzene Results (ug/L)
July 2011
Extent and Distribution Map
MIOCENE AQUIFER

Benzene MCL = 5 ug/L

- All non-detect
 - At least 1 detection (no MCL exceedances)
 - At least 1 detection above MCL
 - Background Well
 - Boundary Well
 - Compliance Well
 - Effectiveness Well
 - Point-of-Compliance Well
 - Production Well
 - Water Well
 - Abandoned Well
- July 2011 Detections:

Note:
Concentration posted next to the well name is the July 2011 concentration (ug/L).

NS = Not Sampled

The following wells were abandoned in Nov. 2008:
CA-3B, PZD-7, PZD-8, PZD-9, PZMC-1 and B-10B

- Groundwater Elevation Contour (July 2011)
 - Closed RCRA Facility/CERCLA WMU
 - Subunit
- 0 500 1,000 Feet

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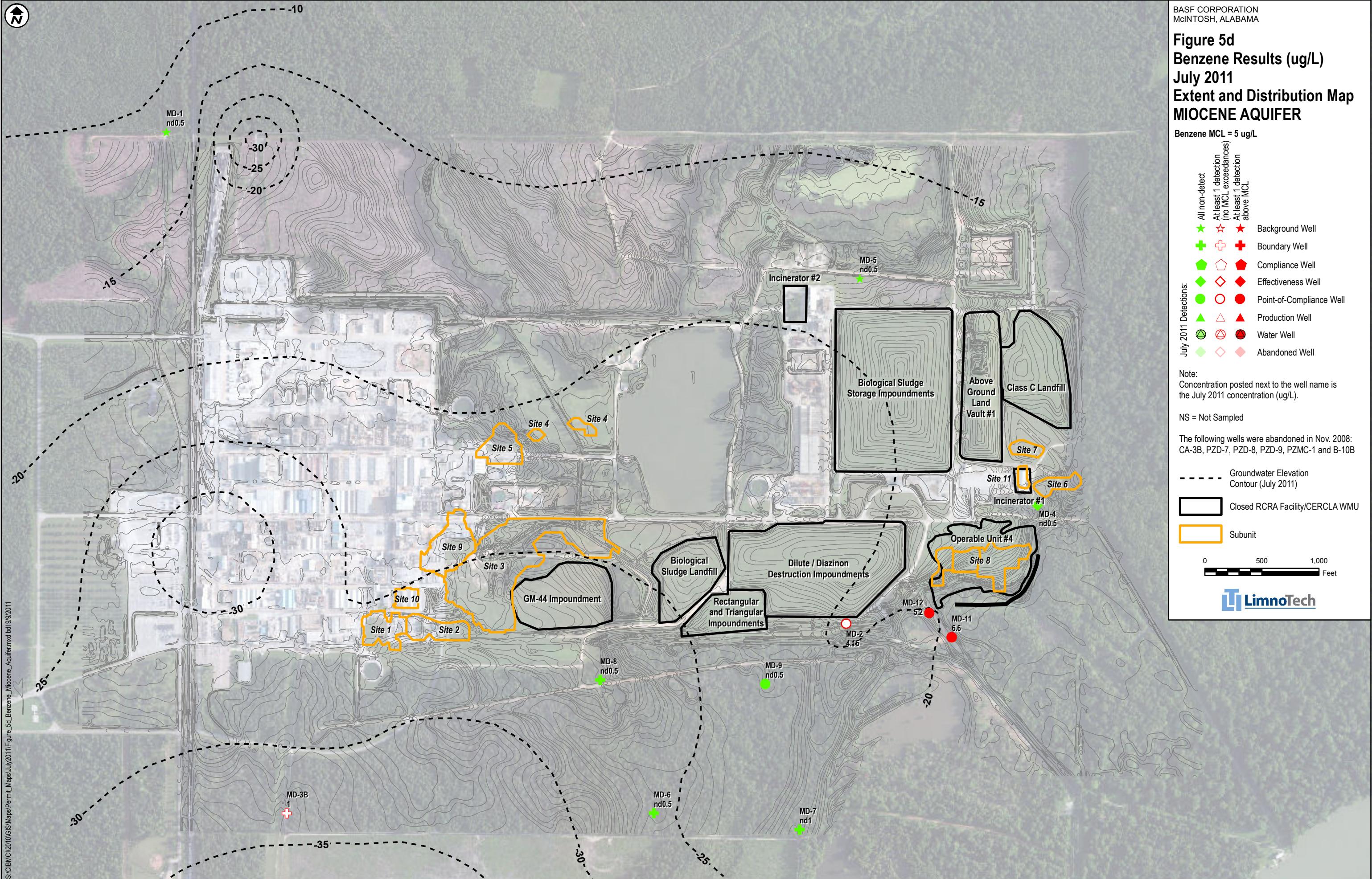


Figure 6-a. Miocene Aquifer Chlorobenzene Time-Series Graph
Wells MD-1, MD-2 and MD-3B
BASF Corporation - McIntosh, Alabama

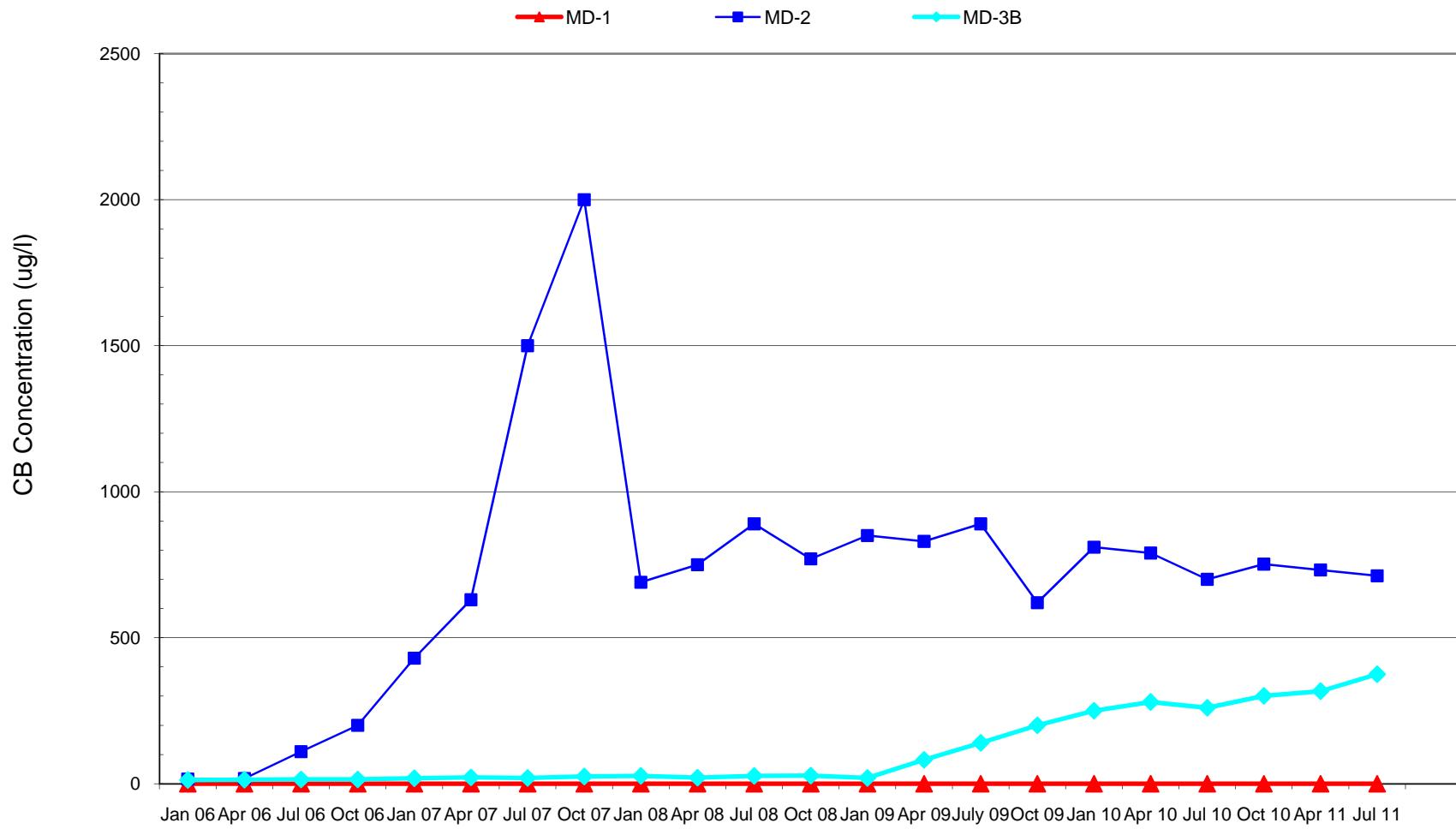


Figure 6-b. Miocene Aquifer Chlorobenzene Time-Series Graph
Wells MD-4, MD-5 and MD-6
BASF Corporation - McIntosh, Alabama

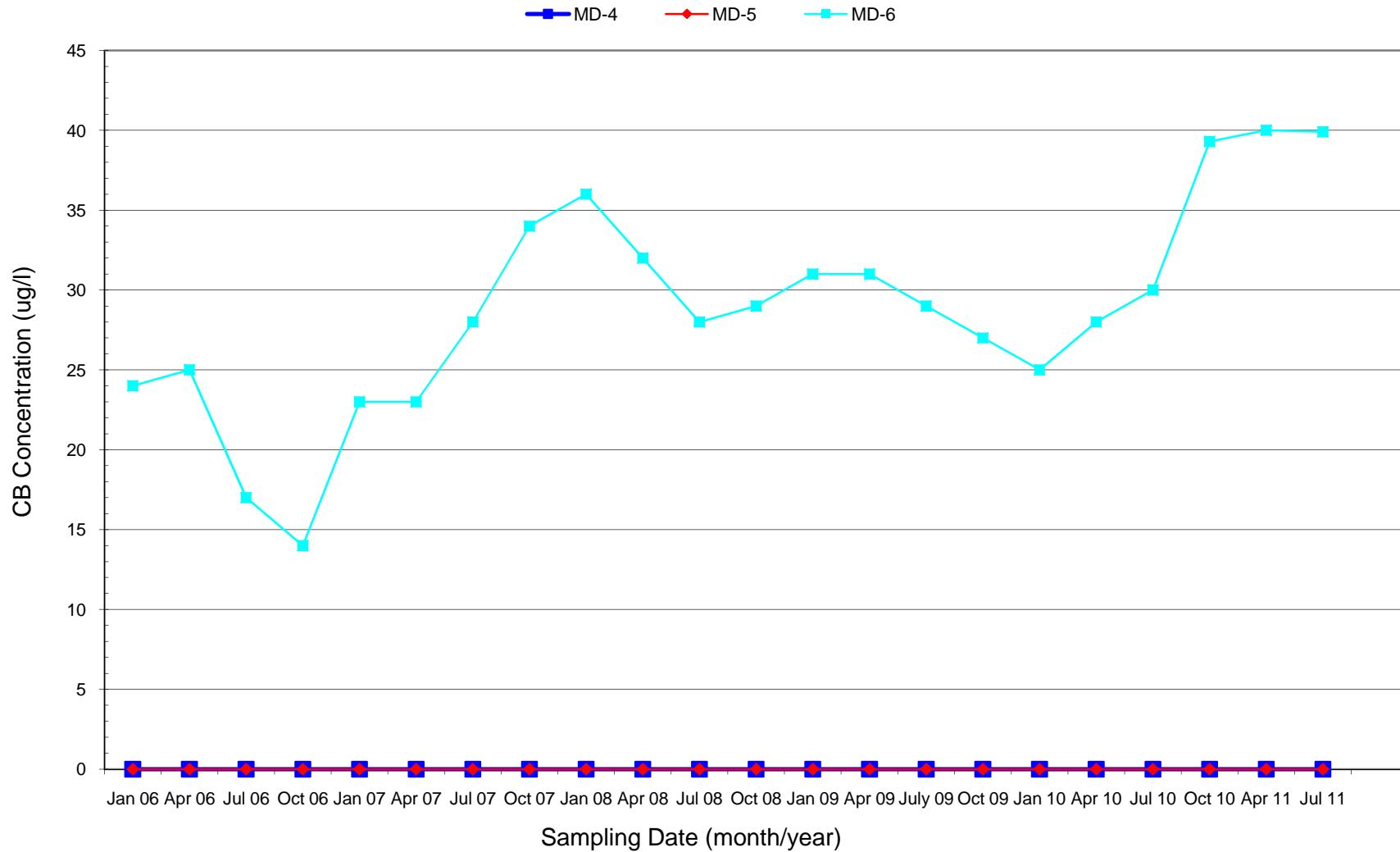


Figure 6-c. Miocene Aquifer Chlorobenzene Time-Series Graph
Wells MD-7 and MD-8
BASF Corporation - McIntosh, Alabama

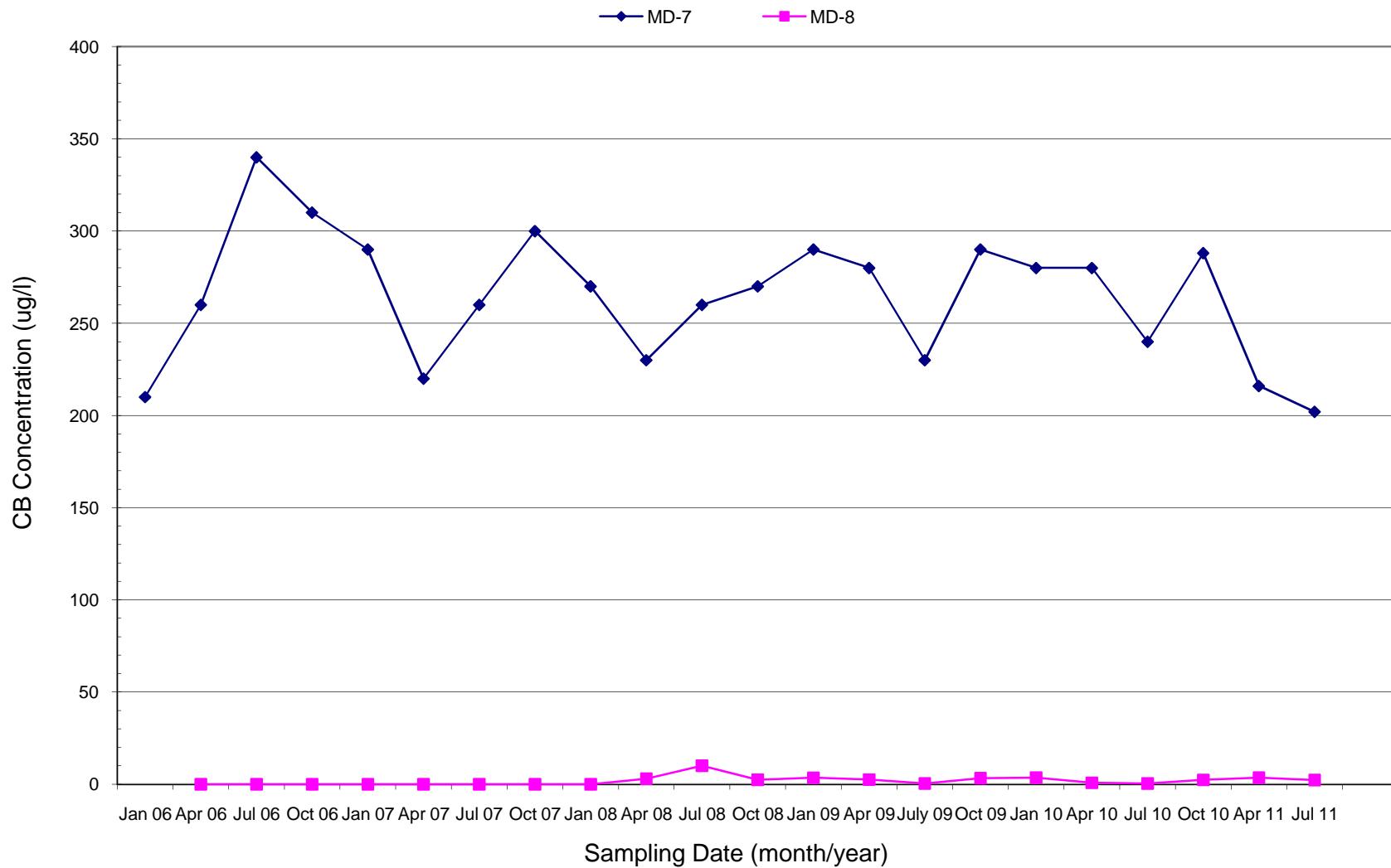


Figure 6-d. Miocene Aquifer Chlorobenzene Time-Series Graph
Wells MD-9, MD-11 and MD-12
BASF Corporation - McIntosh, Alabama

